

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 844    | 438/652.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/15 12:40 |
| L2    | 1681   | 438/687.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/15 12:41 |
| L3    | 1242   | 438/618.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/15 12:41 |
| L4    | 1335   | 257/750.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/15 12:41 |
| L5    | 1438   | 257/751.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/15 12:41 |
| S19   | 764095 | "438"/\$.ccls. or semic or ic or<br>"257"/\$.ccls.                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/05 09:16 |
| S20   | 22     | (dual with damascene) and (ald<br>with (cap capping) with layer)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/13 10:45 |
| S21   | 2      | ("20030139034"   "6528428").PN.<br>OR ("6849536").URPN.                   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | OFF     | 2006/04/13 10:43 |
| S22   | 4      | (dual with damascene) and (ald<br>with (cap capping) with (copper<br>cu)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/13 10:48 |
| S23   | 4      | ("6197688" "6365527").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/13 10:48 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S24 | 56 | ("3844799"   "5063169"   "5079600"<br>  "5169680"   "5266446"  <br>"5447887"   "5674787"   "5824599"<br>  "5913147"   "5953594"  <br>"5969422"   "6077780").PN. OR<br>("6197688").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2006/04/13 11:02 |
| S25 | 1  | "6358849".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2006/04/13 11:02 |
| S26 | 2  | "6358849".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/13 11:12 |
| S27 | 82 | TaN with ALD with (barrier cap<br>capping)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/13 11:17 |
| S28 | 4  | ("6391785" "6534395").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/13 11:23 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S29 | 145 | ("20020037630" "20020041931" "20020043666" "20020048635" "20020048880" "20020052097" "2002005235" "20020061612" "20020061612" "20020064970" "20020068458" "20020073924" "20020074588" "20020076481" "20020076507" "20020076508" "20020076837" "20020081826" "20020081844" "20020086111" "20020086507" "20020090829" "20020093046" "20020093781" "20020094689" "20020096775" "20020098627" "20020102834" "20020102840" "20020104481" "20020105088" "20020106536" "20020106846" "20020109168" "20020117399" "20020121241" "20020121342" "20020121697" "20020135071" "20020144655" "20020144657" "20020146511" "20020146895" "20020151152" "20020153579" "20020155722" "20020162506" "20020164421" "20020164423" "20020177282" "20020182320" "20020187256" "20020187631" "20020197402" "20030013300" "20030013320" "20030031807" "20030031807" "20030032281" "20030042630" "20030049942" "20030054631" "20030072975" "20030079686" "20030082300" "20030089308" "20030101927" "20030104126" "20030129826" "20030134508" "20030143839" "20030143841" "20030165615" "20030168750" "20030173586" "20030186495" "20030205729").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/13 11:38 |
| S30 | 2   | "6951804".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/13 11:38 |

# EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| S31 | 174 | ("20010000866"   "20010009140"  <br>"20010011526"   "20010031562"  <br>"20010034123"   "20010041250"  <br>"20010042799"   "20020094632"  <br>"20020127336"   "4058430"  <br>"4389973"   "4413022"   "4486487"<br>  "4767494"   "4806321"  <br>"4813846"   "4829022"   "4834831"<br>  "4838983"   "4838993"  <br>"4840921"   "4845049"   "4859625"<br>  "4859627"   "4861417"  <br>"4876218"   "4917556"   "4927670"<br>  "4931132"   "4951601"  <br>"4960720"   "4975252"   "4993357"<br>  "5000113"   "5013683"  <br>"5028565"   "5082798"   "5085885"<br>  "5091320"   "5130269"  <br>"5166092"   "5173474"   "5186718"<br>  "5205077"   "5221449"  <br>"5225366"   "5234561"   "5246536"<br>  "5250148"   "5254207"  <br>"5256244"   "5259881"   "5270247"<br>  "5278435"   "5281274"  <br>"5286296"   "5290748"   "5294286"<br>  "5296403"   "5300186"  <br>"5311055"   "5316615"   "5316793"<br>  "5330610"   "5336324"  <br>"5338389"   "5348911"   "5374570"<br>  "5395791"   "5438952"  <br>"5439876"   "5441703"   "5443033"<br>  "5443647"   "5455072"  <br>"5458084"   "5469806"   "5480818"<br>  "5483919"   "5484664"  <br>"5503875"   "5521126"   "5527733"<br>  "5532511"   "5540783"  <br>"5580380"   "5601651"   "5609689"<br>  "5616181"   "5637530"  <br>"5641984"   "5644128"   "5667592"<br>  "5674786"   "5693139"  <br>"5695564"   "5705224"   "5707880"<br>  "5711811"   "5730801"  <br>"5730802"   "5747113"   "5749974"<br>  "5788447"   "5788799"  <br>"5796116"   "5801634"   "5807792"<br>  "5830270"   "5835677"  <br>"5851849"   "5855675"   "5855680"<br>  "5856219"   "5858102"  <br>"5866213"   "5866795"   "5879459"<br>  "5882165"   "5882413"  <br>"5904565"   "5916365").PN. OR<br>("5923056"   "5923985"   "5925574"<br>  "5928389"   "5942040"  <br>"5947710"   "5951771"   "5972430"<br>  "5989999"   "6001415"  <br>"6001669"   "6013575"   "6015590"<br>  "6025627"   "6036773"  <br>"6042652"   "6043177"   "6051286"<br>  "6062798"   "6067222"  <br>"6071808"   "6084307"   "6086677" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/14 07:52 |
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## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S32 | 4   | ("6124203" "6203613").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/14 07:52 |
| S33 | 118 | ("4058430"   "4861417"   "5166092"<br>  "5256244").PN. OR ("6203613").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2006/04/14 07:56 |

# EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| S34 | 261 | ("20010000866" "20010002280"  <br>"20010009140" "20010009695"  <br>"20010011526" "20010013312"  <br>"20010014371" "20010024387"  <br>"20010025979" "20010028924"  <br>"20010034123" "20010041250"  <br>"20010042523" "20010042799"  <br>"20010054377" "20010054730"  <br>"20010054769" "20020000196"  <br>"20020000598" "20020007790"  <br>"20020009544" "20020020869"  <br>"20020021544" "20020031618"  <br>"20020041931" "20020048635"  <br>"20020052097" "20020060363"  <br>"20020066411" "20020068458"  <br>"20020073924" "20020076481"  <br>"20020076507" "20020076508"  <br>"20020076837" "20020086106"  <br>"20020086111" "20020086507"  <br>"20020092471" "20020092584"  <br>"20020094689" "20020098627"  <br>"20020098685" "20020104481"  <br>"20020106536" "20020106846"  <br>"20020108570" "20020117399"  <br>"20020121241" "20020121342"  <br>"20020122884" "20020127336"  <br>"20020127745" "20020134307"  <br>"20020144655" "20020144657"  <br>"20020146511" "20020155722"  <br>"20020162506" "20020164421"  <br>"20020164423" "20020177282"  <br>"20020182320" "20020187256"  <br>"20020187631" "20020197402"  <br>"20030004723" "20030010451"  <br>"20030013320" "20030022338"  <br>"20030031807" "20030032281"  <br>"20030042630" "20030049931"  <br>"20030049942" "20030053799"  <br>"20030054631" "20030057526"  <br>"20030057527" "20030059538"  <br>"20030072913" "20030072975"  <br>"20030075273" "20030075925"  <br>"20030079686" "20030082296"  <br>"20030082301" "20030082307"  <br>"20030089308" "20030096468"  <br>"20030097013" "20030101927"  <br>"20030106490").PN. OR<br>("20030108674" "20030113187"  <br>"20030116087" "20030121469"  <br>"20030121608" "20030124262"  <br>"20030129308" "20030129826"  <br>"20030134508" "20030140854"  <br>"20030140857" "20030143328"  <br>"20030143747" "20030143839"  <br>"20030153177" "20030168750"  <br>"20030172872" "20030173586"  <br>"20030186495" "20030190423"  <br>"20030190804" "20030194493"  <br>"20030198754" "20030205729" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/14 08:00 |
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## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S35 | 18 | ("5191099"   "5429989"   "5639691"<br>  "5659057"   "6017818"  <br>"6077768"   "6077781"   "6081034"<br>  "6203613"   "6204172"  <br>"6271595"   "6351036"   "6372518"<br>  "6376349"   "6403414").PN. OR<br>("6518167").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/14 09:22 |
| S36 | 13 | ("3765956"   "5324684"   "5391517"<br>  "5447887"   "5489550"  <br>"5529954"   "5633047"  <br>"5855993").PN. OR ("6271595").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/14 10:19 |
| S37 | 1  | "20040187304".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/14 10:19 |